P.4 Transition Mathematics Scheme Term I 2023

Wk	Pd	Theme	Content	Life skills	Competence	Activities	Learning	Method	Resour	R
							materials		ces	m
1					HOLIDAY WORK					
	1 & 2	Set concepts	Definition of a set - A collection of well defined objects. Types of sets & their set symbols - Union of sets (□) Two or more sets put together union - Intersection of joint sets (□) Common members in the given sets. - empty sets {} or ∅ Sets which have no members - Equal or identical set(=) sets with the same numbers or members of the same kind. - Equivalent or matching set(↔) equal number of members but of different kinds - Disjoint or non – intersecting sets sets without common members - Non – Equivalent sets/ Un equal sets Sets whose members are not matching Non Equal / Un Equal sets Any set whose members are not equal	- Logical thinking - Problem solving critical thinking	Pupils should be able to: i. Define a set & different types of sets ii. Naming the different types of sets. iii. Draw the different set symbols. iv. Identify given sets with their symbols. v. Give examples of given sets in real life situations.	Defining sets. Identifying sets Giving examples of sets Doing written exercises.	- books, pencils, pieces of chalk etc. - Text books. -chalkboard	- Demonstration - Discussion - Exposition	- A new MK Pri. Maths 2000 Bk 4 pgs 8 – 1 - Understanding Maths Bk 4 pages 1 - 12	

Wk	Pd	Theme	Content	Life skills	Competence	Activities	Learning materials	Method	Resour ces	R m
	3 & 4		- Equal and <i>Equivalent sets</i> i). A = {a,b,c} B = {b,a,c} A = B ii. J = {a,t,y}, K = {1,2,3} set J ↔ Set K		Pupils should be able to: i. Identify equal sets. ii. Identify equivalent set iii. Use the set symbols correctly	Identifying sets Using set symbols. Doing written exercises.	- books, pencils, Rubbers - Ruler. - Text books.		18	
	5 & 6	Set concepts	Intersection of sets and Disjoint sets e.g. M M M M M M M M		Write and draw intersection sets. Write and draw disjoint sets. Identify intersection and disjoint sets from the given sets.	Writing sets Identifying sets Drawing sets Doing written exercises.	-chalkboard	- Discussion - Exposition	- A new MK Pri. Maths 2000 Bk 4 pgs 8 – - Understanding Maths Bk 4 pages 1 - 12	
2	7 & 8		Union of sets e.g A = {a,x,e} B = {a,p,e,x}	critical thinking	Pupils should be able to: i. Write union sets correctly. ii. Draw union sets correctly iii. Identify common members and use the correctly.		Pencils Rubbers Books Schoolbags Pieces of chalk		(4 pag 8 – 18	
3	1 & 2		The empty set. e.g a set of birds with four legs each. This set does not exit. So it is {}	- Logical thinking - Problem solving critical thinking	Pupils should be able to: i. Give examples of empty sets. ii. Write empty sets, iii. use the symbol for empty set correctly.	Giving examples of empty sets Writing empty sets Identifying empty sets	Text books	discussionExpositionGuidedDiscovery	MK Maths 2000 Bk 4 p MTC Bk 4 pg 12	

Wk	Pd	Theme	Content	Life skills	Competence	Activities	Learning materials	Method	Resour ces	R m
3	3 & 4		Venn diagrams Shading regions of sets. e.g set A set B set A − B Set B − A set A ∪B Set A∩B		Pupils should be able to: i. Shade region of sets on Venn diagrams	Shading regions on Venn diagrams	-chalkboard	- Discussion - Exposition	0 Bk 4 pgs 8 – 4 pages 1 - 12	
	5 & 7	S	 Using Venn diagram to solve problems. Listing members from Venn diagrams Using listed members to fill the Venn diagram. Finding numbers of required members using n(A). Difference of sets 	nking olving critical thinking	Pupils should be able to: - List required members from the Venn diagram Use the given sets to fill the Venn diagrams - Use the expression n(A) correctly Use the expression A – B	Listing members from the Venn diagram. Filling in missing members in Venn diagrams. Doing written exercises.	Text books chalkboard	- discussion - Exposition - Guided discovery	- A new MK Pri. Maths 2000 18 - Understanding Maths Bk 4	
3	8	Set concepts	Revision on sets types of sets set symbols Venn diagrams.	- Logical thinking - Problem solving	Pupils should be able to: Do the given revisions exercise within the given time.	Writing out the revision exercise	Handouts Text books	- guided -discovery	Primary Maths 200 Bk 4	1

4	1		Representing whole numbers	Pupils should be able to:	- Representing	Abacii			
	&	value	on an abacus e.g	- Represent whole numbers	numbers on	Text books		-	
	2	val	Representing whole numbers	on an abacus.	abaci.	chalkboard		19	
		9	on the abacus	- Read the numbers	- Drawing			Pg	
		pla	Reading whole numbers from	represented on given abaci.	abacii.			4	
		pu	the abacus	- Find place values of given	- Reading			番	
		a	Reading whole numbers from	numbers.	numbers from			000	
		l Wa	the abacus.		an abacus.			70	
		system	- Finding place value of		- Finding place			;hs	
			numbers. E.g What is the place		values of digits		(er)	Math	
		ation	value of 5 in 1576		on an abacus.		8		
		rat	Th H T O				on on disc	T	
		me I	1 5 7 6				Ssic sitic	姜	
		nu	Hundreds				cu:		
		he	The place value of 5 is				Discussion Exposition Guided disc	A new 20	
		⊢	hundreds.				1 1 1	A 2(

Wk	Pd	Theme	Content	Life skills	Competence	Activities	Learning	Method	Resour	R
4	3 & 4	ce value	Finding total values. e.g 3 tens + 6 thousands. (3 x10)+ (6 x 1000) = 6000 +30 6030	D	Pupils should be able to: i. work out total values of numbers	Working out total values of given numbers.	- Text books -chalkboard	Discussion - Exposition	4 pgs 19 - 23	m
	5 & 6	stem and place	Find products with values. e.g 2 tens x 4 = 2 x 10 x 4 = 20 x 4 = 80	critical thinking	Pupils should be able to: i. Multiply values correctly	Multiplying values of given numbers	Text books chalkboard	discussion Exposition observatio	Maths 2000 BK	
	7 & 8	The numeration sy	Writing figures in words. E.g H T O 6 3 7 600 = six hundred 30 = thirty 7 = seven. = six hundred thirty seven.	- Logical thinking - Problem solving o	Pupils should be able to: - Write figures in words, laying out all the necessary steps.	Writing figures in words	Text books chalkboard	Discussion Exposition	- A new MK Pri. Ma	

5	1 & 4	Writing words in figures. e.g Five thousand two hundred Seven. TH H T O Five thousand = 5 0 0 0 Two hundred = 2 0 0 Seven = + 7 5 2 0 7	Pupils should be able to: - Write words in figures, laying out all the necessary steps.	Writing words in figures		
5	5 & 6	Expanded form. e.g $48 = (4 \times 10) + (8 \times 1)$ = $40 + 8$ $13540 = (10000 \times 1) + (3 \times 1000)$ + $(5 \times 100) + (4 \times 1)$. 13504 = 10000 + 3000 + 500 + 4	Pupils should able to: - Expand given numbers using values.	Expanding numbers using values	Discussion Exposition Observation	
	7 & 8	Finding expanded numbers. e.g 700 + 70 + 7 = 7 0 0 7 0 + 7 7 7 7 7	Pupils should be able to: - work out expanded numbers.	Working out expanded numbers	Discussion exposition	

Wk	Pd	Theme	Content	Life skills	Competence	Activities	Learning materials	Method	Resour ces	R m
6	1 & 2	The numeration system and place value	Decimals A whole number divided into ten - equal parts - Decimal names. 1 part = = 0.1 Comparing decimals Using number lines. Using symbols < or >	- Logical thinking - Problem solving critical thinking	Pupils should be able to: i. Define decimals. ii. Name decimals correctly. iii. Write decimals correctly. iv. Draw number lines & compare decimals on them. Use > ,= or < to compare decimals	Defining decimals Writing decimals comparing decimals.	- Text books -chalkboard Number lines	Discussion - Exposition Discovery	- A new MK Pri. Maths 2000 Bk 4 pgs 19 - 23 Und. MTC 4 pg 22 - 24	

3 & 4	Place values of whole & decimals. E.g 13.2 Whole decimals TO.Tths 13.2 Tenths Ones Tens	Pupils should be able to: i. Represent decimals on an abacus ii. Read decimal numbers from an abacus. iii. Find the place values of given decimal numbers.	Reading decimal numbers. Finding place values of decimal numbers.	Text books chalkboard		Und. MTC 4 pg 26	
5 & 6	Values of wholes and decimals e.g find the value of each numeral in 38.9 TO.Ths 38.9 9 tenths = 9 x 0.1 = 0.9 8 Ones = 8 x 1 = 8 3 Tens = 3 x 10 = 30	Pupils should be able to find the values of given decimal numbers.	Finding values of decimal numbers.	Text books chalkboard		A new MK Pri. Maths 2000 Bk 4 pg 29	
	Writing decimals in words. e.g 7.5 = O. Tths = 7. 0 = seven + 0. 5 = five tenths 7. 5 7.5 = seven and five tenths or 7.5 = seven point five. Writing decimals in figures. e.g two hundred seventy five and two tenths. Two hundred seventy five = 275.0 two tenths = 0.2 275.2	Pupils should be able to: i. Express decimals in words. ii. Express decimal in figures	Writing decimals in words and in figures		Discussion Exposition	A new MK Pri. Maths 2000 Bk 4 pg 30 – 31 Und. Mtc 4 pg 27	

8	1		Numbers and numerals.		Pupils should be able to:	Defining				
	&	e)	A numbers is an idea of		i. differentiate between a	numerals &	- Text		l <u> </u>	
	2	place	quantity		number.	numbers.	books		추 4	
	_	ф	A number is a symbol		ii. Write Roman numerals	Writing Hindu	books) B	
		an	representing a number.		up to 100 (C)	Arabic and	-chalkboard		00	
		E	Hindu – Arabic & Roman		up to 100 (e)	Roman	Charlotta		1s 2r 29	
		ste	numeral (up to 100)			numerals.			th:	
		S	Key symbols.			Doing written			Ma 28	
		o	I V X L 100 C			exercises.			Pri. Maths 2000 Bk pg 28 - 29	
		The numeration system and value	- Roman symbols which are			CACICISCSI			Α ε 4 Τ α 4	
		neı	formed, by adding key symbols.						<u>Σ</u> ώ Ω	
		<u>ש</u>	e.g XX, LX, VI, etc						- A new MK F pgs 32 - 33 Und. MTC 4	
		The ni value	by subtracting key symbols.						An Js 3 Jd.	
		Ėς	e.g IX, XL, XC, IV, etc.						- 2g 7	
	3		Changing from Hindu Arabic to		Pupils should be able to	Changing Hindu				
	&		Roman numerals.		change:	Arabic			0	
	4		Expand then change 19.		i. Change Hindu Arabic	numerals into			007	
			19 = 10 + 9		numerals into Roman	Roman			Si Si	
			= X + IX.		numerals.	numerals.			at	
			= XIX						- A new MK Pri. Maths 2000 Bk 4 pgs 32 - 33	
	5		Changing from Romans to		Pupils should be able to:	Changing			Pri.	
	&		Hindu Arabic numerals.		i. Change Roman numerals	Roman			₹ 32	
	6		Change XLVII = XL + VII.	βu	into Hindu Arabic numerals.	numerals into			w ľ	
			XL = 60	훋		Hindu Arabic			ле 4 р	
			$VII = \frac{+7}{67}$	t) Hi		numerals.			Α×	
	7		XLVII = 67 Word problems in Hindu Arabic	Logical thinking Problem solving critical thinking	Pupils should be able to:	Working out				
	/ &		a & Roman numerals.	liji.	i. Solve word problems	working out word problems			ટ્ર	
	8		- Jane is X years old. Mary is V	g	involving Hindu Arabic and	word problems			Pri. Maths pgs 33 -	
	J		years old. Find their total age &	king Vin	Roman numerals correctly				Σ.Σ.	
			write the answer in Hindu	iin Solv	Noman numerals correctly			_	Pri. I pgs	
			Arabic.	±				on tio	¥ 4	
			-X + V = 10 + 5 years	ica Sel				ssi osi	^ ₩	
			= 15 years	90. Ior				dx:	00 ne	
			Their total age is 15 years.	1 6				Discussion - Exposition	A new MK F 2000 Bk 4 p 35	

9	1		Addition of whole numbers	Pupils should be able to:	Adding whole &		
	&		Without regrouping	- Add whole numbers	adding whole &	30	1
	2		e.g TTH TH H T O	correctly.	decimal	bd	
		ا کھ	3 5 1	- Add decimal numbers	numbers.	4	l
		ion rs .	<u>0 0 0</u>	correctly.		2	l
		rati ibe tio	<u>1 3 5</u>	·		Σ	l
		pel um ota	with regrouping			G	i
		ΟŽĔ				n	1

Wk	Pd	Theme	Content	Life skills	Competence	Activities	Learning materials	Method	Resour ces	R m
9	1 & 2		With regrouping TTH TH H T O		Pupils should be able to: i. Add whole numbers correctly. ii. Add decimal numbers correctly	Adding whole and decimal numbers.	- Text books -chalkboard	Discussion - Exposition Discovery	- A new MK Pri. Maths 2000 Bk 4 pgs 19 - 23 Und. MTC 4 pg 22 - 24	
	3 & 4	& notation	Application of addition in word problems. i. Key words. ii. Sum, total, add, greater, increase	l thinking	Pupils should be able to: i. work out word problems in addition	Solving word problems in addition		- discussion exposition	& 42-44 , 45 · 34,35-36, - 40	
	5 & 6	Operation on Numbers 8	Subtraction of numbers. Without regrouping. 1 5 7 1 2 4 0 1331 - with regrouping 72561 - 4500 68061	- Logical thinking - Problem solving critical thinking	Pupils should be able to: i). Subtract whole numbers correctly. ii). Subtract decimal numbers correctly	Subtracting whole numbers & decimal numbers correctly	Text books chalkboard	Discussion Exposition	MK Bk 4 pg 40 – 41 & 4 Und. MTC 4 pg 31 – 34,	

	7 & 8		Application of subtraction in words problems. Key words Subtract, reduce, difference, less, remainder, change, balance.		Pupils should be able to: I solve word problems in subtraction	Working out word problems in subtraction			
10	1		Multiplication of whole numbers using repeated addition. Up to 4 digits by 1 digit		Pupils should be able to: i). Multiply numbers up tp 4 digits by 1 digit. ii). Use the concept of factor 10 to compute multiplication problems	Multiplying numbers.			A new MK Pri. Maths 2000 Bk 4 pg 64 - 65
10	2		Multiplication of whole numbers. e.g 1420		Pupils should be able to: i). Multiply numbers up tp 4 digits by 1 digit. ii). Use the concept of factor 10 to compute multiplication problems	Multiplying numbers.	Text book chalkboard		A new MK Pri. Maths 2000 Bk 4 pg 64 - 65
	3 & 4	& notation	Application of multiplication in word problems Key words. Multiply, product.		Pupils should be able to: i). Solve word problems in multiplication.	Working out word problems in multiplication			A new Mk Pri. Maths 2000 Bk 4 pg 47
	5 & 6	Operation on Numbers & notation	Multiplication of two by two digit numbers Using total values. Side work e.g 15 $(15 \times 2) + (15 \times 10)$ $\times 12$ $30 + 150$ $\times 150$ $\times 180$	- Logical thinking - Problem solving critical thinking	Pupils should be able to: i). Use total values to solve two by two digit multiplication problems.	Multiply two by two digit numbers using place values		Discussion Exposition	A new Mk Pri. Maths 2000 Bk 4 pg 46
	7 & 8		Using place values. (compute) e.g 18 x 12 36 180 216	- Logical thinking - Problem solving	Pupils should be able to: i). Use the short method to multiply two by two digit numbers.	Multiplying two by two digit numbers using the short methods.	Text books chalkboard	Discussion Exposition	A new Mk Pri. Maths 2000 Bk 4 pg 51 – 53, 45

11	1 & 2		Division of whole numbers. - Using repeated subtraction. e.g $9 \div 3$; $9 - 3 = 6$ $6 - 3 = 3$ $3 - 3 = 0$ The no. of times 3 has been subtracted from 9 is 3. So $9 - 3 = 3$ Using long division without remainders. (up to 4 digits by 1)		Pupils should be able to: i). Use repeated subtraction to solve division problems. ii). Compute answer for simple division problems. iii). Use long division to solve division problems.	Solving division problems in without remainders.				
	3 & 4		With remainders. Eg 10 ÷ 4 = 2 rem. 2 Using Ing division with remainders e.g 130		Pupils should be able to: Solve division problems with remainders	Solving division problems in with remainders				
	3 & 4		e.g <u>130</u> 450 <u>- 3</u> 15		Pupils should be able to: Solve division problems with remainders	Solving division problems in with remainders	Text books chalkboard			
	5 & 6		Application of division in word problems Key words. Divide, share		Pupils should be able to: Solve word problems in division	Solving division word problems	Text books Chalkboard	Discussion Exposition	MK 2000 Bk pg 55	
11	7 & 8	Number patterns and sequences.	Types of numbers whole numbers. 0,1,2,3, - counting numbers. 1, 2,3, - Ordinal numbers. 1 st , 2 nd , 3 rd - cardinal numbers. 1,2,3,4,5, - Even numbers 0,2,4,6,8 odd numbers 1,3,5,7,9	- Logical thinking - Problem solving critical thinking	Pupils should be able to: i). Define the different types of numbers. ii). List members of each type of numbers. iii). Distinguish different types of numbers from others. iv). Answer various questions about types of numbers. v). Define even and odd numbers clearly.	- Defining numbers Listing different - Listing different types of numbers Distinguish sets - Answering questions about different types of numbers Defining even & old numbers - Giving examples of even & old no.		Discussion Observation Exposition	A new Mk Pri. Maths 2000 Bk 4 pg 61., 58 - 60	

12	1 & 2	Number patterns & sequences. e.g 1,3,5,7,9 - Building sequences with even, odd or prime numbers counting in tens, hundreds, thousands.	Pupils should be able to: i). complete number sequences correctly.	Completing & building up number sequences.	Textbooks Chalkboard	Discussion Exposition	MK Maths 2000 Bk 4 pg 60 - 62 Under MTC 4 pg 83 - 92	
	3 & 4	Factors. A number which divides into another exactly. e.g $2 \times 3 = 6$ 2×3 are factors of 6 bec. $6 \div 3 = 2$ $6 \div 3 = 2$ others are $6 \div 1 = 6$	Pupils should be able to: i). Define a factor ii). Find factors of numbers. iii). Complete all the given factor charts. iv). Find the GCF of given numbers.	Finding factors. Completing factor charts Finding GCF of numbers	Textbooks Chalkboard A drawn factor chart		MK Maths 2000 Bk 4 pg 68 - 69 Under MTC 4 pg 96	

12	3 & 4		So F_6 are $1 \times 6 = 6$ $2 \times 3 = 6$ $F_6 = \{1,2,3,6\}$ - Giving lists of factors. - Factor charts. - Greatest common factors (GCF)	ıking	Pupils should be able to: i). Define a factor ii). Find factors of numbers. iii). Complete all the given factor charts. iv). Find the GCF of given numbers.	Finding factors. Completing factor charts Finding GCF of numbers	Textbooks Chalkboard A drawn factor chart		63	
	5 & 6	Number facts & sequences	Multiple Numbers which when divided by that number leave no remainder. Multiples are also products. e.g 1 x 4 = 4 2 x 4 = 8 M ₄ = {4, 8, 12}	- Logical thinking - Problem solving critical thinking	Pupils should be able to: - Find Multiples of numbers Complete multiple tables correctly	Finding multiples of numbers. Completing tables. NB. 0 is a multiple of all numbers of all numbers but is ignored in the lists.	Textbooks Chalkboard A drawn multiples chart	Discussion Exposition	MK Maths 2000 Bk 4 pg 59 - Under MTC 4 pg 97 - 98	

7	Multiples.	Pupils should be able to:	Listing	Text books		
&	- common multiples.	- Find common multiples of	multiples			
8	e.g $M_2 = \{2,4,6,8\}$	given numbers.	Identifying	chalkboard		
	$M_4 = \{4,8,12,16,\}$	- Find the L.C.M of given	common			
	Common multiples of 2 & 4 are:	numbers.	multiples & L.			
	{4,8,12,}		C. M of			
	Lowest common multiples.		numbers.			
	e.g L.C.M of 2 & 4 = 4					

TRANSITION MATHEMATICS SCHEME P.4 TERM II 2023

Wk	Pd	Theme	Subtopic/ Content	Life Skill	s	Competences	Activities	Learning Materials	Method	Resource	R
1						HOLIDAY WORK	REVISION				<u>I</u>
	1 & 2	NUMBER FACTS AND SEQUENCES	NUMBER PATTERNS AND SRQUENCES (i)Building sequences with even, odd or prime numbers (ii)Counting in tens, hundreds	Logical thinking	Problem solving Critical thinking	Pupils should be able to: (i)Complete number sequences correctly (ii)Count in tens, hundreds, thousands (iii)Compute numbers using factor 10	-Completing number sequences -Computing numbers using the factor 10 concept MK bk 4 pg 73 exe. 4f 1 - 10; pg 68 4m 1 – 6.	Text book	Discussion Exposition Discovery Demonstration	MK 2000 Bk 4 Pp 56-73 Understanding Mtc Bk4 Pp83- 88	
	3 & 4	NUMBER FACTS AND SEQUENCES	FACTORS -a number which divides into another exactly e.g 1x6=6 2x3=6 F ₆ =(1,2,3,6) -Using Factor chats	Logical thinking	Problem solving Critical thinking	Pupils should be able to: (i)Define a factor (ii)Find factors of numbers (iii)Complete the factor charts correctly	i)Finding factors of number ii)Listing factors iii)Completing factor charts MK bk 4 pg 73 exe. 4s A 1 – 10; pg 74 4t 1 – 6.	Textbooks Factor Charts	Discussion Discovery Exposition	MK 2000 Bk 4 Pp 69-74 Understanding Mtc Bk4 Pp94-96	

7 8	leave no remainder when divided by the given number e.g. 4 1X4=4 2X4=8 Therefore M ₄ ={4,8,12 Common multiples e.g. M ₂ ={2,4,6,8} M ₄ ={2,4,8} Therefore the lowest common multiple of 2 and 4 is 4 TYPES OF FRACTIONS Common	Logical thinking Problem solving Critical thinking	Complete tables on multiples Find common multiples of given numbers Identify the LCM of given numbers Pupils should be able to: i) Identify numerators	i) identifying different fractions.	Textbooks Chalkboard	Discussion Discovery Exposition		
	fractions. Proper fractions. Improper fractions. Mixed numbers. Changing mixed numbers into improper fractions.	Logical thinking	ii)denominators in common fractions. Give examples of proper and improper fractions. Change mixed numbers into improper fractions.	ii) giving examples of different fractions.iii) changing fractions from one form to another.iv) illustrating fractions on diagrams.Mk Pri Mtc Bk 4 pg 91 ex. 5j no. 1- 10	Fractions on a chart +	Discussion Demonstration Exposition	MK 2000 Bk 4 Pp 69-74 Understanding Mtc Bk4 Pp94-96	

2	1 & 2	FRACTIONS	Changing improper fractions to mixed numbers.	Logical thinking Problem so	Pupils should be able to: i) change improper fractions into mixed numbers.	Converting improper fractions into mixed numbers. Und Mtc pg 60 ex. 4.5 no. 1 & 2 a,b,c,d	Textbooks	Stimulation Exposition Discussion	Understanding Mtc Bk4 Pp60 MK 2000 Bk4 Pp 85	
	3 & 4	FRACTIONS	EQUIVALENT FRACTIONS -using the chartsUsing the number lineMultiplying numerator and denominator by the same whole number which is greater than 1.	Problem solving	Pupils should be able to: Use the charts to find equivalent fractions. Use the number line to find equivalent fractions. Multiply fractions by whole numbers to get the equivalent fractions.	Finding equivalent fractions using charts, number lines and multiplication. Representing as equivalent fractions on a number line.	Textbooks Drawn Number Lines on the ground	Discussion Exposition Demonstration	Understanding Mtc Bk4 Pp60-66 MK 2000 Bk4 Pp 80	
	5 & 6	FRACTIONS	EQUIVALENT FRACTIONS using the charts. Using the number line. Multiplying numerator and denominator by the same whole number which is greater than 1.	Logical thinking Problem solving Critical thinking	Pupils should be able to: Use the charts to find equivalent fractions. Use the number line to find equivalent fractions. Multiply fractions by whole numbers to get the equivalent fractions.	Finding equivalent fractions using charts, number lines and multiplication. Acting as equivalent fractions on a number line		Exposition Demonstration Discussion Practical Work	Understanding Mtc Bk4 Pp60- 66 MK 2000 Bk4 Pp 80	
	7 & 8	FRACTIONS	REDUCING FRACTIONS TO THEIR LOWEST TERMS. e.g.	Critical thinking	Pupils should be able to: Reduce given fractions into their lowest terms	Reducing fractions. MK bk 4 pg 84exe. 5d 1 – 10;	Textbooks Chalkboard	Discussion	MK 2000 BK4 Pp 87	

	1 & 2		COMPARISON OF FRACTIONS. Using LCM to find values first then compare. Ascending and descending order.		Compare fractions using less than, greater than or equal. Arrange fractions in order.	Comparing fractions. Und. Mtc 4 pg 67 ex.4.10 1 & 2 Ordering fractions. MK bk 4 pg 86 exe. 5f; 11, 12,15, 16.	Textbooks Chalkboard		
				Critical thinking				Discussion Exposition Exposition	
3	3 & 4	FRACTIONS	ADDITION AND SUBTRACTION OF FRACTIONS WITH SAME DENOMINATORS	Critical thinking	Pupils should be able to: i)Add fractions ii)subtract fractions with same denominators iii)reduce the solutions to the lowest terms	Adding and subtracting fractions. Reducing fractions to lowest terms. MK bk 4 pg 87exe. 5g 1 – 10; pg 89 ex.5i; 1 – 4, 17, 18 19,20.	Textbooks Chalkboard	Exposition Discussion	MK 2000 Bk4 Pp 87 -89 Understanding Mtc Bk4 Pp68-69
4	5 & 6		ADDING FRACTIONS WITH DIFFERENT DENOMINATORS. USING EQUIVALENT FRACTIONS.	Critical thinking	Add fractions with different denominators using equivalent fractions.	Adding fractions with different denominators. Und. Mtc Bk4 pg 68 ex. 4.11 No. 1 & 2 a,b,c,d	Textbooks Chalkboard	Exposition Discussion	MK 2000 Bk4 Pp 87 -89 Understanding Mtc Bk4

7 & 8		SUBTRACTIN G FRACTIONS WITH DIFFERENT DENOMINATORS USING EQUIVALENT FRACTIONS.	Problem solving	Pupils should be able to: subtract fractions with different denominators using equivalent fractions.	Subtracting fractions with different denominators. Und. Mtc Bk4 pg 69 ex. 4.12 No. 1 & 2 a,b,c,d	Textbooks Chalkboard	Exposition Discussion	MK 2000 Bk4 Pp 87 Und. Mtc Bk4 pg 69	
1 & 2	FRACTIONS	ADDITION OF MIXED NUMBERS	Logical thinking	Pupils should be able to: Add mixed numbers correctly.	Adding mixed fractions. MK bk 4 pg 93exe. 5l 1 – 8 pg 89 ex.5i; 1 – 4,	Textbooks Chalkboard		ng Mtc Bk4	
3 & 4	FRAC	SUBTRACTION OF MIXED NUMBERS		Subtract mixed numbers.	Subtracting mixed numbers. MK bk 4 pg 93 exe. 5m 1 – 10		Exposition Discussio n	Understanding Mtc Bk4 Pp 70	
5 & 6		MULTIPLICATION OF FRACTIONS BY WHOLE NUMBERS 1/2 of 300 1/2 x 300 = 300 2 = 150	Problem solving Critical thinking	Pupils should be able to: Multiply fractions by whole numbers.	Multiplying fractions by whole numbers. MK bk 4 pg 93exe. 5l 1 – 8 pg 97 ex.5q	Textbooks Chalkboard Books Pens Pencils	Exposition Demonstration Discussion Practical Work	MK 2000 Bk4 Pp 95 – 97	

5	7 & 8	DECIMAL FRACTIONS Changing decimals to fractions. e.g. $0.1 = 1/10$ $2.3 = 2 + 3/10$ =	Logical thinking. Problem solving	Pupils should be able to: Rewrite decimal fractions as common fractions.	Changing decimal fractions into common fractions. Und. Mtc pg 73 ex. 4.16.	Textbooks Chalkboard	Exposition Discussion	Understanding Mtc Bk4 Pp72 - 74
	1 & 2	Changing fractions to decimals		Pupils should be able to: Change common fractions into decimals. Change mixed numbers into decimal fractions.	Changing common fractions into decimals. Und. Mtc pg 73 ex. 4.15; 1a, 2,3b, c. Changing mixed fractions into decimals. Und. Mtc pg 73 ex. 4.15; 1a, 2,3b, c.	Textbooks Chalkboard	Discussion Demonstration Exposition Exposition	Understanding Mtc Bk4 Pp73
	3 & 4	APPLICATION OF FRACTIONS Application of fractions. Example: In a class of 42 pupils, one third of them are boys. How many girls are in that class? 1/3 of 42 = 1/3 x 42 = 14 boys. Girls are 42 - 14 = 28.	Logical thinking Problem solving	Pupils should be able to: Solve word problems in fractions.	Working out word problems involving fractions.	Textbooks Chalkboard	Exposition Discussion	MK 2000 Bk4 Pp 88, 90, 111, 114.

6	5 & 6	ALGEBRA	EQUATIONS. Using letters in place of boxes. a) Addition $a + 6 = 9$ Subtract 6 from each side $a + 6 - 6 = 9 - 6$ $a + 0 = 3$ $\therefore a = 3$ Ans. Prove. $A = 6 = 9$ Substitute $3 + 6 = 9$ $9 = 9$.	Logical thinking Problem solving king	Pupils should be able to:- i) Work out simple sums involving addition in algebra. ii) Substitute the calculated value in the given equation to prove their answers) Working out the unknowns. ii) Proving the solutions got. Und. Mtc bk 4pg 216 ex. 15.6; 1a – f.	Textbooks	Exposition Discussion		Understanding Mat Pp 215- 216
6	7 & 8	ALGEBRA	b) Subtraction. (i) x- 28 = 21 Add 28 to each side x- 28 + 28 = 21 + 28. x- 0 = 21 + 28 ∴ x = 49Ans. Prove: x- 28 = 21 Substitute 49 - 28 = 21 21 = 21 ii) 20 - V = 4 Re-arrange 20 - 4 = V 16 = V ∴ V = 16Ans Prove: 20 - V = 4 Substitute 20 - 16 = 4 4 = 4.	Logical thinking Problem solving	Pupils should be able to:- i) Work out simple sums involving subtraction algebra. ii) Substitute the calculated value in the given equation to prove their answers	i) Working out the unknowns. ii) Proving the solutions got. Mk Mtc bk 4 pg 247 ex. 16 e	Textbooks	Exposition Discussion	Mk Mtd bk 4 p 247	

7	1 & 2	ALGE BRA	$\begin{array}{l} \underline{\text{Multiplication}} \\ \text{i) 2 x a = 2a,} \\ \text{ii) 3 x q = 12.} \\ 3\text{q = 12 ÷ 3} \\ \text{q = 4 Ans.} \end{array}$	Logical thinking Problem solving	Pupils should be able to:- i) Work out simple sums involving multiplication algebra. ii) Substitute the calculated value in the given equation to prove their answers	Re framing the equations -Solving the equations -Proving the solutions Mk Mtc bk 4 pg 255 ex. 16 q	Textbooks	Exposition Discussion	Mk Mtc bk 4 pg 255
7	3 & 4	<u>ALGEBRA</u>	$\begin{array}{l} \underline{\text{Division}} \\ b \div 3 = 5 \\ b \div 3 \times 3 = 5 \times 3 \\ b = 15 \text{ Ans.} \end{array}$	Logical thinking	Pupils should be able to: i) Reframe the equations in words. ii) Work out division equations correctly. iii) Prove the solutions got.	Re framing the equations -Solving the equations -Proving the solutions MK. Pri. Mtc BK 4 pp 254 ex. 16 p.	Textbooks Charts	Exposition Discussion	MK. Pri. Mtc BK 4 pp 254
7	5 & 6	ALGEBRA	Forming equations Mary has some goats. When she sells 5 goats she remains with 9 goats. How many did she have? Let the number of goats be g. Equation $g - 5 = 9$ $g - 5 + 5 = (9 + 5)$ goats $g - 0 = 14$ goats $g = 14$ goats: She had 14 goats.	Logical thinking Problem solving thinking	Pupils should be able to:- i) Solve numbers in word problems. ii) Form equations from the given sentences iii) Solve the equations formed.	i) Reading the word problems.ii) Forming equations.iii) Solving equations.	Text books Charts	Exposition	Mk pri Mtc BK 4 Pg 257 - 260

7	7 & 8		Substitution Replacing given letters with directed numbers. If $g = 4$. Find $3g$. $3g = 3 \times 4$ =12 Ans. If $a = 2$, $b = 3$, $c = 4$. Find $a + b - c$ = 2 + 3 - 4 = 5 - 4 = 1	Logical thin Problem solving king	i) Substitute numbers correctly. i) Find solution to the given numbers(problems)	ii) Working out solutions. Mk pri. Mtc bk 4 pg 253 ex. 16 , 16m, 16 n. Pg 254 ex. 16 0, 16 p.	Text books		MK Pr. Mtc BK 4 pp 253 – 254.	
8	1 & 2	AL GEBRA	Like terms. i) Using real, same objects. ii) Using letters g + g + g = 3g. Unlike terms i) Using real but different objects ii) Collecting like terms and simplifying them. i) K + 5L + 2K K+ 2K + 5L = 3K + 5L. ii) 3w + 2e - w 3w - w + 2e = 2w + 2e. iii) 9J + 3k - j - 2k 9j - j + 3k - 2k 8j + k Ans.	Logical thinking Problem solving thinking	Pupils should be able to:- i) Add and subtract real objects as like terms. ii) Add and subtract letters as like terms. iii) Collect real objects according to same appearance. iv) Collect like terms from the different letters then simplify them.	-Adding and subtracting real objects -Adding and subtracting like terms -Collecting like terms. -Simplifying given problems. Mk pri. Mtc bk 4 pg 250 ex 16i	Oranges Passion fruits Pens, pencils Pieces of chalk Leaves Textbooks	Demonstration Exposition Discussion	Und Mtc Pp 211 – 214 MK BK 4	

8	3 & 4		CURVES Open curves		Pupils should be able to: Identify the different curves	Drawing curves	Textbooks Chalkboard	Exposition Demonstration Discussion Practical work		
	5 & 6	GEOMETRY	Closed curves Simple closed curves. Circles		Pupils should be able to: Identify the different curves	Drawing curves	Textbooks Chalkboard	Exposition Demonstration Discussion Practical work	(old) pp 135-136.	
	7 & 8	GEC	Parts of a circle. Diameter Radius Chord Circumference		Draw circles using their feet and define circumference Draw circles using pairs of compasses	Constructing circles. Doing exercises on curves and circles.	Textbooks Chalkboard	Exposition Demonstration Discussion Practical work		
9	1 & 2		Semicircle Quadrant. Drawing circles using feet. Using pairs of compasses Measuring radii of circles.	Problem solving	Measure the radii of given circles then construct circles using given radii. Mention the relationship between the radius and diameter of a circle	Constructing circles. Doing exercises on curves and circles.	Textbooks Chalkboard	Exposition Demonstration Discussion Practical work	MK 2000 Bk 4 (old) pp 135-136	

9	3 & 4	GEOMETRY	POLYGONS Poly –many gons –sides. Polygon is a flat closed shape with many straight, closed sides and angles. Triangles Have three sides and angles. Equilateral, isosceles, scalene, right angled triangles. Quadrilaterals. Have four sides and angles. Square, rectangle, kite, rhombus, trapezium, parallelogram.	Logical thinking. Problem solving	Name types of polygons correctly as Regular and Irregular polygons. Define each polygon. Draw each polygon and name. Define a regular polygon.	Defining polygons. Drawing and naming polygons	Textbooks Chalkboard	Exposition Demonstration Discussion Practical work.	Mk 2000 Bk 4 pp136	
	5 & 6	9	POLYGONS Pentagon – 5 sides Hexagon – 6 sides Septagon – 7 sides Octagon – 8 sides. Nonagon – 9 sides Decagon – 10 sides. Polygons with all equal sides are called regular polygons.	Logical thinking	Pupils should be able to: Define each polygon. Draw each polygon name the polygons. Define a regular polygon.	Defining polygons. Drawing and naming polygons.	Textbooks Rulers Samples of polygons cut from manila paper Chalkboard	Exposition Exposition Demonstration Discussion P	Mk 2000 Bk 4 pp13 6 Unde rstan ding Math s bk 4 113	

	7 & 8	GEOMETRY	Symmetry is the exact match in shape and size between two parts. e.g. a square has 4 lines of symmetry	Logical thinking. Problem solving	Pupils should be able to: Identify the lines of symmetry in given shapes. Fold papers practically to discover the lines of symmetry for given shapes.	Folding papers Discussing different findings. Doing written exercises.	Manila papers shaped in various polygons Textbooks Chalkboard.	Exposition Demonstration Discussion	MK 2000 BK4 Pp 134	
10	1 & 2	GEO	SOLID FIGURES Drawing and naming. Examples water tank - a cylinder. Funnel – a cone	Logical thinking. Problem solving	Pupils should be able to: Draw and name solid figures. Give examples of objects with different geometrical shapes.	Drawing and naming figures. Giving examples of solid figures in real life situations.	Boxes, funnels, dice, a football and other examples of solid figures. Text books Chalkboard.	Demonstration Exposition		
	3 & 4	GEOMETRY	Edges, faces and Vertices.	Logical thinking. Problem solving	Identify the edges, vertices and faces of the different solid figures. Find out the number of faces, vertices and edges each has.	Identifying the different parts of the solid figures and finding out how many there are in each.	Boxes, funnels, dice, a football and other examples of solid figures. Text books Chalkboard.	Demonstration Observation Discussion	MK 2000 Bk 4 Pp 209-210 Understanding Mtc Bk 4 116	

5 & 6	GEOMETRY	LINES AND ANGLES. Line Line segment Ray Parallel lines Intersecting lines Perpendicular lines Naming lines and angles.	Logical thinking Problem solving Critical thinking	Pupils should be able to: Define lines. Draw different lines. Name the different lines. Identify angles name angles. Draw the identified angles.	Drawing and naming lines and angles.	Rulers Pencils Textbooks Chalkboard		MK 2000 BK4 Pp200-203 Understanding Mtc Bk4 Pp162-164	
7 & 8	GEOMETRY	TYPES OF ANGLES A right angle Acute angle Obtuse angle A straight angle A reflex angle Complementary angles. Supplementary angles	Logical thinking. Problem solving.	Pupils should be able to: Define the different types of angles. Use their arms and legs to show the right, acute, obtuse and straight angles. Draw and name the different kinds of angles.	Defining angles Demonstrating angles using Parts of their bodies. Drawing and naming angles.	Rulers Pencils Textbooks chalkboard	Exposition Demonstration Discussion	MK 2000 BK4 Pp 137	

11	1 & 2	GEOMETRY	DRAWING AND MEASURING ANGLES USING A PROTRATOR	Logical thinking Problem solving Critical thinking	Pupils should be able to: i) Use a protractor to measure angles correctly. ii) Draw angles correctly.	Measuring and drawing angles.	Rulers Pencils Textbooks Protractors Chalkboard	Exposition Discussion Practical Work, Discovery Demonstration	MK 2000 Bk 4 Pp 138, 140-142	
	3 & 4	GEOMETRY	FINDING UNKNOWN ANGLES a) complementary angles	Critical thinking Effective communication	Pupils should be able to: Work out the missing angles.	Working out the missing angles.	Textbooks Chalkboard	Exposition	MK 2000 Bk 4 Pn 139, 142 Ex. 7n	
	5 & 6	GEOMETRY	FINDING UNKNOWN ANGLES a) supplementary angles	Logical thinking Problem solving Critical thinking	Pupils should be able to: Work out the missing angles.	Working out the missing angles.	Textbooks Chalkboard	Exposition Discussion Demonstration	MK 2000 Bk 4 pp 139, 142	

11	7 & 8		AREA OF RECTANGLES AND SQUARES	Logical thinking Problem solving Critical thinking	Pupils should be able to: Work out the missing angles.	Working out the missing angles.	Textbooks Chalkboard Pencils Books Pieces of chalk	Exposition Discussion Demonstration	MK 20 00 Bk 4 Pp 20 8	
12	1 & 2	GEOMETRY	APPLICATION OF PERIMETER/ARE A	Logical thinking Problem solving Critical thinking	Pupils should be able to: Interpret the given statements.	Solving the given problems.	Textbooks Chalkboard	Exposition Discussion Exposition Discovery	MK 20 00 Bk 4 Pp 20 9- 21 0	

P.4 Transition Mathematics Scheme Term III

Wk	Pd	Theme	Sub Topic & Content	Life Skills	Competences	Activities	L/Materials	Method	Ref	Rem
		•	BEGINN]	NG OF	TERM EXAM A	ND REVISION	HOLIDAY	WORK		
2	1 & 2	MEASURES	Length i) Measuring and recording lengths of objects. ii) Estimating lengths of objects. iii) Measuring line segments. iv) Conversions. Metres into cm	n solving	Pupils should be able to:- i) Estimate lengths ii) Measure length accurately. iii) Convert metres to centimetres. iv) Convert centimetres to metres.	Estimating lengths Measuring length Converting metres to centimetres. Converting centimetres to metres.	Metre rulers I dm lengths, foot rulers Text books.	Practical work Demonstration Discussion	MK. Pri. MtcBK 5 pp 250 MK Pri. MtcPp 138-140. Understanding Mtc Bk 4 pp155.	
2	3 & 4		i) Converting Km into metres.	Logical thinking, Problem Critical thinking	Pupils should be able to:- i) Convert long distance units i.e. Km and M. correctly.	Converting units of length. -Computing the equivalence tables.	Text books	Demonstration Discussion Observation	MK Pri. MtcPp 186 - 192 Understanding Mtc Bk 4 pp155.	

2	5 & 6		Length: i Adding units of length. Example: 130 cm +20 cm = 150cm. ii) Multiplying units of length. Example: 4 m 40 cm x 2 = 8m 80 cm. iii) Application of addition and multiplication of length units.	Pupils should be able to: i) Add m and cm. ii) Add Km and m. iii) Multiply -m and cm iv) Multiply Km and m. iii) Solve word problems in addition and multiplication of units of length.	-Adding units of length. Multiplying numbers Solving word problems in length.	Text books	Demonstration Discussion Observation	MK Pri. Mtc Pp 187- 188, 190, 197 – 199. Understand ing Mtc Bk 4 pp155.	
	7 & 8	MEASU RES	Length. i) Subtracting m and cm. Example: 38m 5cm - 2m 20cm = 36m 30 cm. ii) Dividing m and cm. Example: 5m 20 cm ÷ 5 = 1m 04cm Km and m. Example: 7 Km 700m ÷ 7 = 1 Km 100m.	Pupils should be able to:- i) Subtract units of length carefully. Divide units of length	-Subtracting units of length. -Dividing units of length.	Text books	Demonstration Discussion	MK Pri. Mtc Pp 187- 188, 197 – 199.	

3	1 & 2	MEASU RES	Perimeter. i) Perimeter of common polygons -triangles, quadrilaterals, pentagons hexagons. Use p= (s+s+s) According to the number of sides. ii) Finding sides of squares / rectangles when perimeter is given. Perimeter = 24 m Find each side of the square. P = 4s. 24 = 4s. 24 ÷ 4 = 4s ÷ 4. 4 cm = s s = 4 cm. ∴ each side is 4 cm.	Pupils should be able to: i) Work out perimeter of simple polygons. ii) Apply algebra to solve some complex problems involving perimeter of squares and rectangles. iii) Interpret word problems in form of sketch drawings	Working out perimeter of polygons. -Finding missing lengths in squares and rectangles, given perimeter. -Sketching squares and rectangles.	Text books	Demonstration Discussion Discovery	MK Pri. Mtc Pp 206-208	
	7 & 8	MEASU RES	i) Areas of rectangles and squares. A = L X L Example II	Pupils should be able to:- i) Work out area of squares ii) Work out area of rectangles. iii) Identify different squares or rectangles in one shape, by their dimensions. iv) Work out area of complex squares. v) Work out area of complex rectangles.	-Working out area of rectangles and squares. -Discovering rectangles and squares by the dimensions -Putting together different areas thus finding total area of complex squares and rectangles.	Manila cards cut into 1 cm², Cards with different lengths & widths to justify 'area'.	Guided Discovery Discussion Demonstration	MK Pri. Mtc Bk 4 Pp 210 – 213 (Revised Edition) (Old Edition) Pp 206 – 208 Peak Mathematic s (six) Pp 10.	
4	3 &	MEASU RES	Area. Area of shaded and un	Pupils should be able to:- i) Work out the area of the	-Working out areas of squares and		Demonstration.	MK Pri. Mtc. Bk	

	4		shaded parts in squares or rectangles.	whole shape and the shaded shape separately. ii) Subtract area to get the required portion iii) Solve application problems related to area.	rectangles -Subtracting areas -Solving application problems involving area of squares and rectangles.	Text books	Discussion	5 Pp 212 – 213 Peak Mtc Six Pp 10 – 11, 47 Pp 209.	
4	5 & 6	MEASU RES	Area of sq = L X W. = $6 \times 6 \text{ cm}^2$ = 36 cm^2 area of shaded part = $1/2 \text{ of } 36 \text{ cm}^2 = 36 \div 2$ = 16 cm^2 Area of triangles iii) Application of area of triangles. 4 cm 6 cm 8 cm area = $1/2 \times b \times h$. = $1/2 \times 8 \times 6 \text{ cm}^2$ = $48 \div 2 \text{ cm}^2$ = 24 cm^2	Pupils should be able to:- i) Identify triangles from rectangles and squares. ii) Work out areas of triangles using formula. iii) Identify perpendicular heights of given iV) Solve problems involving area of triangles.	i) Identifying triangles from squares and rectangles. ii) Identifying perpendicular heights of triangles iii) Solving area problems in triangles.	Manila cards bearing shapes of rectangles and squares Text books	Discussion Demonstration Guided Discovery	Peak Mtc (six) Pp 46 MK Pri. Mtc Bk 4 (Revised) Pp 214 – 218 (Old) Pp 211 – 214 MK Pri. Mtc BK 5 Pp 210 Ex. 8 No 1,2,4,5, 8.	

4	7 & 8	MEASU RES	Volume. Volume = the space occupied by cubes practical work. i) Using cubes packed in cuboid and bigger cubes, to internalise 'volume' ii) Using formula V= Length x Width x height V= LxWxH. V= LxWXH. V=(2x3x4)cm³ V=24cm³ Ans. CM³ read as cubic cm.	Pupils should be able to: i) Practically pack cubes to discover volumes of given solids. ii) Use formula to work out volume of cubes and cuboids. iii) Read units of volume correctly. (Cubic units)	Packing cubes. Working out volumes of solids using formula.	Small cubes Bigger cubes. Cuboids Textbooks	Practical work. Discovery Discussion Observation	ST(P)Mtc !APp 279 – 280 MK Pri. Mtc BK Pp 218 – 221.	
5	1 & 2	MEASU RES	MONEY i) Revision of P.3 Work. Conversions Changing paper money into their equivalencies in coins. Adding money. Example: 150 shillings + 100 shillings = 250 shillings. Subtracting money. Example: 7000 shillings - 2050 shillings = 4950 shillings.	Pupils should be able to: i) Convert money correctly. ii) Add money. ii) subtract money. Interpret word problems involving money and solve them accordingly.	Converting money from coins to paper money equivalents and vice – versaAdding money. Subtracting moneysolving word problems involving money	Money in coins and paper form. Text books	Discussion Demonstration Problem solving	MK Pri. Mtc BK 4 (Revised)Pp 148 – 150	

5	1 & 2	MEASU RES	BUYING AND SELLING Finding the cost of one item when the cost of one is given. i) e.g. 1 tin of butter costs 500/= find the cost of 3 tins. 1 tin costs 500/= (3 tins cost more). 500	Pupils should be able to:- i) Find the costs of the required items accordingly. ii) State when a cost should be more or less than the given one.	Multiplying money. -Dividing money.	Text books Shopping items like empty tins of biscuits, soap boxes toothpaste boxes, to make a shop corner Price tags on manila papers.	Demonstration Discussion Observation	MK Pri. Maths BK 4 (Revised) Pp 152 – 152.	
5	3 & 4	MEASU RES	MONEY Simple shopping bills. e.g. Jane bought 2 kg of sugar, 4 packets of salt etc With provided price list.	Pupils should be able to:- Prepare shopping lists. Work out simple expenditures. Work out balances of money after expenditures.	Drawing tables for shopping listsPreparing shopping listsAdding money -Subtracting money	Text books	Discussion Demonstration	MK Pri. Mtc BK 4 (Revised) Pp 133 – 134.	

5	5 & 6	MEASU RES	MONEY I) more about shopping bills. Example: Juma bought 5 books at 7000/=, 5 pens at 1500/= and 4 cups at 2000/=. Find out the total cost of all the items.	Pupils should be able to:- i) work out shopping bills correctly. ii) Define profit. iii) Work out profits of given sums. iv) Find the buying price B.P selling price of items when the selling price, or buying price and profit are given Buying price = SP – profit S.P = B.P + Profit.	Working with shopping bills. Discussing profit Working out profits.	Text books	Discussion Demonstration	MK Pri.Mtc BK 4 Pp 155(Revised) Pp 156. MK Mtc BK 4 Pp 157 – 159.	
5	7 & 8	MEASU RES	MONEY LOSS Definition Loss = reduction/less Loss=Buying price - selling price. e.g Bought at 15000/= sold at 10,000/= Loss when S.P is less than B.P Loss= B.P - S.P.	Pupils should be able to:- i) Define loss ii) Work out B.P. in different sums. iii) Find buying /cost prices when the selling and losses are given. Find selling prices when cost / buying prices and losses are given.	-Working out loss problems. -Discussing loss problems.	Textbooks	Discussion Demonstration	MK. Pri. MtcBK 4 Pp 157.	

6	3 &	MEASU RES	TIME Conversions.	Pupils should be able to:-	Changing units of time from one to		Discussion		
	4		i) Changing minutes to seconds. 1 min = 60 sec. 10min = (60 x 10) sec. = 600 sec Ans. ii) Changing hours to minutes. 1hr = 60 min. 3hrs = (60x3)min = 180min. iii)1 hour = 60 min 1½ hrs = 3/2 x60	i) Convert seconds to minutes. ii) Convert minutes to seconds. iii) Convert hours to minutes. iii) Convert minutes to hours.	the other.	Text books.	Discussion	MK. Pri.Mtc BK 4 (Old)Pp 167 – 168(Revised) Pp 162-164. Understanding Mtc BK 4 Pp 141.	
			iv) Changing Min to hrs. 60min=1hr 90min = 90/60 hrs = 1 ½ hrs.					MK. Pri.Mi Pp 162-16 Understar	
6	5 & 6	MEASU RES	TIME Application of time. e.g. A bus takes 4½ hours to arrive at K'la. What time does it take in minutes? 1 hour = 60 min. 4 ½ hrs= 9/2 x 60 min. = 540 ÷ 2min = 270 min.	Pupils should be able to:- i) apply the concept of multiplication of time.	Solving word problems in time. -Adding time. -Multiplying time. -Solving problem involving time.	Text books	Discussion	MK BK 4 (Revised)Pp 164 &17	

7	1 & 2	MEASU RES	TIME TIME DURATION. Time duration = length of time Example A girl started walking from home at 7.15am. She reached sch. At 8.15am. How long did it take her? 8.15 - 7.15 = 1.00 It took her 1 hour to reach.	Pupils should be able to:- i) Work out time duration.	Working out time duration	Text books Calendar.	Discussion Demonstration Observation Guided discovery	Mk Pri. Mtc BK 4Pp 17	
7	3 & 4		Hours, days and weeks. i) Conversions. Examples: 1 day = 24 hours 4 days = 24 x 4 hours = 96 hours. 24 hours = 1 day. 48 hours = 48 ÷ 24 = 2hrs. 1 week = 7 days. 5 weeks = 7 x 5 days. = 35 days. 7 days =1 week. 21 days =21 ÷ 7 weeks = 3 weeks.	ii) Convert hours into days. ii) Convert days into hours. iii) Convert days into weeks. iii) Convert weeks into days.	Converting days into hours. Hours into days. Days into weeks. Weeks into days.	Text books Calendar.	Discussion demonstration	Mk Pri. Mtc BK 4Pp 179	

8	1 & 2	MEASU RES	i) Using the equivalence table. ii) Converting L into MI and vice – versa. Example 1litre = 1000 mI 5 litres = 1000 x 5 mI = 5000 mI. 1000 mI = 1 litre. 7000 mI = 7000 ÷ 1000 = 7 litres. iii) Addition of L and MI. Example 4 ½ litres + 2 ½ litres = 6 + 1 litres = 7 litres. iii) Multiplication of L and MI. Example 3 litres 400 mI x 2 = 6 litres 800 mI.	Pupils should be able to:- i) Build up the table of equivalence in capacity. ii) Convert units of capacity from one to the other. iii) Add units of capacity. iv) Multiply units of capacity.	-Filling in equivalence tables. -Converting units from one to the other. Working out capacity problems in addition and multiplication.	Text books	demonstration Discussion	MK Pri. Mtc BK 4 Pp 226 – 227.	
8	7 & 8	MEASU RES	i) Subtraction of L and Ml. 7litres 97ml – 3litres 5ml = 4 litres 92 ml Word problems in capacity.	Subtract units of capacity. Solve word problems in capacity. Workout problems involving capacity.	Working out capacity problems in addition, subtraction, and multiplication.	Text books	demonstration Discussion	MK Pri. Mtc BK 4 Pp 224 – 227.	

9	1 & 2	MEASU RES	MASS Estimates i) Practical measuring of objects. Basic unit – a gram ii) Conversions. Kg to g and vice – versa. 1kg = 1000 g 5 kg = 1000 x 5 g = 5000 g 1000g = 1kg 500 g = 500 ÷ 1000 g = ½ kg	Pupils should be able to:- i) Make estimates of masses ii) Accurately measure masses iii) Convert units of mass from one to the other.	-Making estimates -Measuring mass -Converting units of mass.	Weighing scale Beans Sand Sugar books	Practical work. Group work Discussion Demonstration	MK Pri. Maths BK 4 Pp 228 – 231
9	5 & 6	MEASU RES	i) Subtraction and division of kg and grams.i) Application of subtraction and division of kg and g.	Pupils should be able to:- i) Subtract units of mass. ii) divide units of mass iii) Solve word problems involving subtraction and division of mass.	Subtracting and dividing units of mass. Solving word problems.	Textbooks	Demonstration Discussion.	MK Pri. Mtc BK 4 Pp 233 - 234
9	7 & 8	GRAPH S AND INTERP RETATI ON OF INFOR MATIO N	GRAPHS -Meaning of graphsTypes of graphsMeaning of pictographs -Features of pictographRead and interpret the given pictograph.	Pupils should be able to: -Define graphs. -Mention the types of graphs -Give the meaning of pictographs. -Give the features of a pictographsRead and interpret the given pictograph.	-Drawing graphs. -Using scale to solve problems.	Drawn graphs on chats. Textbooks	Observation Guided discovery Discussion	MK Pri Mtc BK4 page 115-117 Understand ing Pri Mtc Pp 120
10	1 &			Pupils should be able to:	Drawing	Drawn	Observation	MK Pri Mtc BK4 page

	2	Pictographs	-Read and interpret the given information.	pictographs.	graphs on chats.	Guided discovery	115-117
		Drawing pictographs.	-Draw pictograph from the given information.	Drawing scale. Solving graph problems.	Text books	Discussion	Understand ing Pri Mtc Pp 120
10	3 & 4	Bar graphs Reading and	Pupils should be able to: -Read and interpret the given information.	Drawing graphs. Solving graph problems.	Drawn graphs.	Observation Guided discovery	MK Pri Mtc BK4 page 118-123
		interpreting bar graphs.	-Answer questions about the graph correctly.	problems.	TCALDOORS.	Discussion	Understand ing Pri Mtc Pp 122
10	5 & 6	Drawing bar graphs.	Pupils should be able to: -Read and interpret the given information.	Drawing graphs. Solving graph		Observation Guided	MK Pri Mtc BK4 page 118-123
			-Draw bar graphs for the given information.	problems.		discovery Discussion	Understand ing Pri Mtc Pp 122

P.4 Transition Mathematics Scheme Term III

Wk	Pd	Them	Topic	Sub -	Competence		Content	Methods	Activities	Life skills	Materials	Ref	Re
		е		topic									m
					Subject	language							
REV	REVISION HOLIDAY WORK												
2	1 & 2	MEASURES	LENGHT, MASS, CAPACITY	LENGHT	The learner uses standard measuring instrument to measure length in M, CM, MM Mass in Kg and g, capacity in litres and Millitres	i. Expresses measurement of length, mass & capacity in English of different items ii. Makes a table of different units of length, mass & capacity/ volume & shows their abbreviation	i) Measuring and recording lengths of objects. ii) Estimating lengths of objects. iii) Measuring line segments. iv) Conversions. Metres into cm	Practical work Demonst ration Discussi on	Estimating lengths Measuring length Converting metres to centimetres. Converting centimetres to metres.	Logical thinkin g, Proble m solving Critical thinking		MK. Pri. MtcBK 5 pp 250. MK Pri. MtcPp 138-140. Understanding Mtc Bk 4 pp 155.	-

3 8 4	ķ	LENGTH	Converts Kn into metres.	i. Expresses measurement of length, mass & capacity in English of different items ii. Makes a table of different units of length, mass & capacity/ volume & shows their abbreviation	ii) Estimating lengths of objects.iii) Measuring line segments.	Practical work Demonst ration Discussi on	Converting units of length. -Computing the equivalence tables.		ext ooks	MK Pri. MtcPp 186 - 192 Understanding Mtc Bk 4 pp155.	
5 8 6	ķ	LENGTH	Expresses measurement of length, mass & capacity in English of different items. Makes a table of different units of length, mass and capacity/ volume & shows their abbreviation	The leaner adds m and cm. i) Adds Km and m. iii) Multiplies -m and cm iv) Multiplies Km and m. iii) Solve word problems in addition and multiplication of units of length.	Length: i Adding units of length. Example: 130 cm +20 cm = 150cm. ii) Multiplying units of length. Example: 4 m 40 cm x 2 = 8m 80 cm. iii) Application of addition and multiplication of length units	-Adding units of length. Multiplying numbers Solving word problems i length.	thinking	Demonstration Discussion discover y. Logical thinking, Problem solving Critical thinking	Text Book s Rules foot	MK Pri. Mtc Pp 187- 188, 190, 197 – 199.	

7 MEA 8 URE 8		The learners i) Subtract units of length carefully. Divide units of	Length. i) Subtracting m and cm. Example: 38m 5cm - 2m 20cm =	Subtracting units of length. Dividing units of	Demonst ration discussio n		
	LENGHT, MASS, CAPACITY	length	36m 30 cm. ii) Dividing m and cm. Example: 5m 20 cm ÷ 5 = 1m 04cm Km and m. Example: 7 Km 700m ÷ 7 = 1 Km 100m.	length			

7	MEAS		Expresses	The learners	Perimeter.	Working out	Demon				
<i>/</i>	URES		measureme	i) Work out perimeter	i) Perimeter of	perimeter of	stratio	Logical			
8	UKLS		nt of	of simple polygons.	common polygons	polygons.	n	thinking,			
0			length,	or simple polygoris.	-triangles,	-Finding	Discus	Problem			
			mass &	ii) Apply algebra to	quadrilaterals,			solving			
				ii) Apply algebra to	1 •	missing	sion	Critical			
			capacity in	solve some complex	pentagons	lengths in	Diagonia				
			English of	problems involving	hexagons.	squares and	Discovery	thinking			
			different	perimeter of squares	Use $p = (s + s + s)$	rectangles,					
			items.	and rectangles.) According to the	given					
					number of sides.	perimeter.					
				iii) Interpret word	ii) Finding sides of	-Sketching					
				problems in form of	squares /	squares and					
				sketch drawings	rectangles when	rectangles					
		├			perimeter is given.						
					Perimeter = 24 m						
		β			Find each side of					- 208	
		 			the square.						
		,			P = 4s.					90;	
		LENGHT, MASS, CAPACITY			24 = 4s.					Mk Pri. Mtc pp 206	
		Σ			$24 \div 4 = 4s \div 4$.					d S	
		<u>+</u>			4 cm = s					ΨĚ	
		효			s = 4 cm.					∵ =	
		Ä			∴ each side is 4					A >	
		_			cm.	-				Σ	
			Makes a	The learner	Area	-Working out	Guided		Text	Р	
			table of	i) Works out area of	i) Areas of	area of			book	ise	
			different	& squares rectangles.	rectangles and	rectangles and	Discov		S	% (e	
			units of	iii) Identifies different	squares.	squares. Discovering	ery		Manil	.3(R - 2 0.	
			length,	squares or rectangles		rectangles and	Discus		е	. 213(Revised :06 – 208 p 10.	
			mass and	in one shape, by their		squares by the	sion		cards	- 20 Pp	
			capacity/	dimensions.		dimensions	Demonstr		cut	110 PP (XX)	
			volume &	iv) Works out area of	$A = \overline{L X L}$	-Putting	ation.			2p2 on) s (\$	
			shows their	complex squares.	Example II	together				tici	
			abbreviatio	v) Work out area of		different areas				BK EC	
			n	complex rectangles.		thus finding				ltc Sd She	
						total area of),	
						complex squares and				Pri Sior	
						rectangles.				MK Pri. Mtc Bk4 Pp210 – 21 Edition)(Old Edition)Pp 206 Peak Mathematics (six)Pp 1	
1						rectarigles.	1				

4	3 & 4	mesa ures		length	Expresses measureme nt of length, mass & capacity in English of different items.	The learner: i) Works out the area of the whole shape and the shaded shape separately. ii) Subtracts area to get the required portion iii) Solves application problems related to area.	Area of shaded and un shaded parts in squares or rectangles.	- Working out areas of squares and rectangles -Subtracting areas -Solving application problems involving area of squares and rectangles.	Discussi on Demonstr ation.	Text books	MK Pri. Mtc. Bk 5 Pp 212 – 213 Peak MtcSix Pp 10 – 11, 47 Pp 209.	
			Length, capacity and mass	length	Makes a table of different units of length, mass and capacity/ volume & shows their abbreviatio n	The learner i) Identifies triangles from rectangles and squares. ii) Works out areas of triangles using formula. iii) Identifies perpendicular heights of given iV) Solves problems involving area of triangles.	Area of sq = LX W. = 6×6 cm ² = 36 cm^2 area of shaded part = $1/2$ of $36 \text{ cm}^2 = 36 \div 2$ = 16 cm^2 Area of triangles iii) Application of area of triangles. 4 cm 6 cm 8 cm area = $1/2 \times 6 \times 1$ = $1/2 \times 8 \times 6 \times 1$ = $1/2 \times 8 \times 6 \times 1$ = $1/2 \times 8 \times 6 \times 1$ = $1/2 \times 1$) Identifying triangles from squares and rectangles. ii) Identifying perpendicular heights of triangles iii) Solving area problems in triangles.	Discussion Demonstration Guided Discovery	Manila cards bearing shapes of rectangles and squares Text books	Peak Mtc(six) Pp 46 MK Pri. Mtc Bk 4 (Revised) Pp 214 – 218 (Old)Pp 211 – 214 MK Pri. Mtc BK 5 Pp 210 Ex. 8	

4	3				Expresses	The leaner	Volume.	Packing			Small		
'	&				measureme	The leaner	Volume = the space	cubes.	Practical	Logical	cube		
	4				nt of	i) Practically	occupied by cubes	cabes.	work.	thinking,	S		
	'				length,	packs cubes to	practical work.		1.0110	Problem			
					mass &	discover volumes	praecical Work	Working out	Discovery	solving	Bigge		
					capacity in	of given solids.	i) Using cubes packed	volumes of	<i>D.</i> 000 (0.7)	Critical	r		
					English of	J	in cuboid and bigger	solids using		thinking	cube		
					different	ii) Uses formula	cubes, to internalise	formula.			S		
					items.	to work out	`volume'		Discussio				
						volume of cubes			n		cuboi	≓	
					Makes a	and cuboids.	ii) Using formula				ds	280 - 221	
			≥		table of		V= Length x Width x		Observati		Tex	- 28	
			capacity		different	iii) Reads units of	height		on		book	9-	
			ap		units of	volume correctly.	V= LxWxH.				S	27 p .	
					length,	(Cubic units)	V= LxWXH.					Pp K F	
			as		mass and		$V = (2x3x4) \text{cm}^3$					E B	
		res	Е	d)	capacity		V=24cm ³ Ans.					£ ₹	
		asn	gth	Ĕ			3					P.	
		measures	Length mass,	volume			CM ³ read as cubic cm.					ST(P)Mtc !APp 279 – MK Pri. Mtc BK Pp 218	
	7	_	<u> </u>		The	- describes	MONEY	Converting	Discussio			ν Σ	
	<i>k</i>				learners	different coins	i) Revision of P.3	money from	n	Money in			
	8				identifies	and note.	Work.	coins to paper	''	coins and		150	
					coins and	- role plays using		money	Demonstr	paper form.		- 11	
					notes.	money in English	Conversions	equivalents	ation	paper rorrin			
					- Buying	- uses examples	Changing paper money	and vice –	acion	Text		14	
					and selling	to describe	into their equivalencies	versa.	Problem	books		Рр	
					calculates	understanding of	in coins.	-Adding	solving			(pa	
					simple	profit and loss	Adding money.	money.				vise	
					profits and		Example:	,				4 (Revised)Pp 148	
					loss costs		150 sh. + sh.100 = 250 sh.	Subtracting				9	
					and pricing.		250 SN.	money.				Æ	
							Subtracting money.					MK Pri. Mtc BK	
							Example:	-solving word				≥.	
				ne,			7000 sh – 2050 sh =	problems				Pri	
				Money			sh.4950	involving				Σ X	
]			money				Į	

5	1 & 2			money	- identifies coins & notes - buying & selling - calculates simple profit & loss - costs & pricing	- describes different coins and note role plays using money in English - uses examples to describe understanding of profit and loss	BUYING AND SELLING Finding the cost of one item when the cost of one is given. ii) e.g. 1 tin of butter costs 500/= find the cost of 3 tins. 1 tin costs 500/= (3 tins cost more). 500 x 3 1500/= ∴3 tins cost 1500/= ii) Finding the cost of one item when the cost of many is given. e.g. 3 sweets cost 450/= find the cost of 1 sweet. 3 sweets cost 450/= (1 sweet costs less)	Multiplying money. -Dividing money.	Discussion Demonstration Problem solving	- critical thinking Logical thinking, Problem solving	Mone y in coins and paper form. Text book s	MK Pri. Mtc BK 4 (Revised)Pp 148 – 150	
5	3 & 4	Measures	Length, capacity and mass			The learner interrupts - works out simple expenditures Works out balances of money after expenditures.	MONEY Simple shopping bills. e.g. Jane bought 2 kg of sugar, 4 packets of salt etc With provided price list.	Drawing tables for shopping listsPreparing shopping listsAdding money -Subtracting money	Discussio n demonstr ation			MK Pri. Mtc BK 4 (Revised) Pp 133 – 134.	

5	5 & 6	es	Length, capacity and mass		The learner - Identifies coins & notes - Buying & selling - Calculates simple profit & loss - cost & pricing	The learner i) works out shopping bills correctly. ii) Defines profit. iii) Works out profits of given sums. iv) Find the buying price B.P selling price of items when the selling price, or buying price and profit are given Buying price = SP	MONEY I) more about shopping bills. Example: Juma bought 5 books at 7000/=, 5 pens at 1500/= and 4 cups at 2000/=. Find out the total cost of all the items. 5 book – sh. 7000 5pens – sh. 1500 4 cups – sh. 2000 Total sh.10500	Drawing tables for shopping listsPreparing shopping listsAdding money -Subtracting money	Discussio n demonstr ation	Logical thinking, - critical thinking Problem solving	Text book s Coins notes	Mtc BK 4 Pp 155(Revised) Pp 156. BK 4 Pp 157 – 159.	
6	1 & 3	Measures	Length, capacity and mass	money		Buying price = SP – profit S.P = B.P + Profit. The learner i) Defines loss ii) Works out B.P. in different sums. iii) Finds buying /cost prices when the selling and losses are given. Find selling prices when cost / buying prices and losses are given.	MONEY LOSS Definition Loss = reduction/less Loss=Buying price - selling price. e.g Bought at 15000/= sold at 10,000/= Loss when S.P is less than B.P Loss= B.P - S.P. Loss = sh 15000 Sh 10000 Sh 5000	Working out loss problems Discussing loss problems	Discussio n demonstr ation	Logical thinking, - critical thinking Problem solving	Text book s Coins notes	Mk. Mtc bk pg 157 MK Pri.Mtc I	

6	3 & 4	Measures	Length, mass, capacity	Time	Uses different types of clock to tell time. Converts measures of time e.g months to days	The learners Converts seconds to minutes. ii) minutes to seconds. iii) hours to minutes. iii) minutes to hours. iv). Tell time in both local language & English v). Gives months of the year in English	TIME Conversions. i) Changing minutes to seconds. 1 min = 60 sec. 10min = (60 x 10) sec. = 600 sec Ans. ii) Changing hours to minutes. 1hr = 60 min. 3hrs = (60x3)min = 180min. iii)1 hour = 60 min 1½ hrs = 3/2 x60 iv) Changing Min to hrs. 60min=1hr 90min = 90/60 hrs	Changing unites of time from one to the other	Discussi on demonstr ation	Critical thinking Problem solving Logical thinking		MK. Pri.Mtc BK 4 (Old)Pp 167 – 168(Revised) Pp 162-164. Understanding Mtc BK 4 Pp 141.	
6	5 & 6	Measures	Length, mass, capacity	Time		The learner: Applies the concept of multiplication of time	TIME Application of time. e.g. A bus takes 4½ hours to arrive at K'la. What time does it take in minutes? 1 hour = 60 min. 4 ½ hrs= 9/2 x 60 min. = 540 ÷ 2min = 270 min.	Solving word problems in time. -Adding time. -Multiplying time. -Solving problem involving time.	Discussi on demonstr ation	Critical thinking Problem solving Logical thinking	Text book s	MK. Pri.Mtc BK 4 (Old)Pp 164 - 17	

7	1 & 2	Measures	Length, mass, capacity	Time	Uses different types of clock to tell time. Converts measures of time e.g months to days	The learner: Works out time duration	TIME TIME DURATION. Time duration = length of time Example A girl started walking from home at 7.15am. She reached sch. At 8.15am. How long did it take her? 8.15 - 7.15 = 1.00 It took her 1 hour to reach.	Working out time duration	Text books calendar	Discussion Demonstr ation Observati on Guided discovery	MK. Pri.Mtc BK 4 (Old)Pp 164 - 17	
7	3 & 4	Measures	Length, mass, capacity	Time		The learner Converts hours into days. days into hours. days into weeks. weeks into days.	Hours, days and weeks. i) Conversions. Examples: 1 day = 24 hours 4 days = 24 x 4 hours = 96 hours. 24 hours = 1 day. 48 hours = 48 ÷ 24 = 2hrs. 1 week = 7 days. 5 weeks = 7 x 5 days. = 35 days. 7 days =1 week. 21 days =21 ÷ 7 weeks = 3 weeks.	Converting days into hours. Hours into days. Days into weeks. Weeks into days.	Text books calendar			

8	1 & 2			Capacity	The learner uses standard measuring instrument to measure length in m, cm, & mm. Mass in kg & g Capacity in I & mI	The learner i) Builds up the table of equivalence in capacity. ii) Converts units of capacity from one to the other. iii) Adds units of capacity. iv) Multiplies units of capacity.	i) Using the equivalence table. ii) Converting L into MI and vice – versa. Example 1litre = 1000 ml 5 litres = 1000 x 5 ml = 5000 ml. 1000 ml = 1 litre. 7000 ml = 7000 ÷ 1000 = 7 litres. iii) Addition of L and Ml. Example 4 ½ litres + 2 ½ litres = 6 + 1 litres = 7 litres. iii) Multiplication of L and Ml. Example 3 litres 400 ml x 2 = 6 litres 800 ml.	-Filling in equivalence tables. -Converting units from one to the other. Working out capacity problems in addition and multiplication.	Discussi on Demons tration	Critical thinking Problem solving Logical thinking	Text book s calen dar	
8	7 & 8	measures	Length mass and capacity			The learner Subtracts units of capacity. Solves word problems in capacity. Works out problems involving capacity.	i) Subtraction of L and Ml. 7litres 97ml – 3litres 5ml = 4 litres 92 ml Word problems in capacity.	Working out capacity problems in addition and multiplication	Discussi on Demons tration	Critical thinking Problem solving Logical thinking	Text book s	

						i) Makes estimates of masses ii) Accurately measures masses iii) Converts units of mass from one to the other.	MASS Estimates i) Practical measuring of objects. Basic unit – a gram ii) Conversions. Kg to g and vice – versa. 1kg = 1000 g 5 kg = 1000 x 5 g = 5000 g 1000g = 1kg 500 g = 500 ÷ 1000 g = ½ kg	Making estimates -Measuring mass -Converting units of mass.	Practical work Group work Discussi on Demons tration	Problem solving Critical thinking	Weig hing scale Bean s Sand Suga r book s	Mk Pri. Maths Bk 4 pg 228 - 231
		Measures	Length, mass and capacity	mass		The learner i) Subtracts units of mass. ii) divide units of mass iii) Solves word problems involving subtraction and division of mass.	i) Subtraction and division of kg and grams. ii) Application of subtraction and division of kg and g.	Subtracting and dividing units of mass. Solving word problems		Problem solving Critical thinking	Text book	Mk Pri. Maths Bk 4 pg 233 - 234
9	7 & 8		Graph & interpretation of information	Graphs	Use tally marks to collect & group data - Organizes data displays data	- counts object or people - describe the graph, records - Describes the graphs - Explains the graph.	GRAPHS -Meaning of graphsTypes of graphsMeaning of pictographs -Features of pictographRead and interpret the given pictograph.	Drawing graphs Using scale to solve problems.	Observa tion Guided discover y discussio n	Problem solving Critical thinking		Mk Pri. Mtc Bk 4 pg 115 - 117
			Graph & interpretati on of		Use tally marks to collect & group data - Organizes	- counts object or people - describe the graph, records - Describes the	GRAPHS Drawing pictographs	Drawing pictographs Drawing scale Solving problems.	Observa tion Guided discover	Problem solving Critical thinking	Draw n grap hs on chart	Mk Pri. Mtc Bk 4 pg 115 – 117

					data displays data	graphs - Explains the graph.	Bar graphs Reading & interpreting bar graphs	Drawing bar graphs Drawing scale Solving problems.	y discussio n		s Text book s		
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